

19980420.qrp v01_n066.qrs.980420

Date: Mon, 20 Apr 1998 19:03:15 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1066

QRP-L Digest 1066

Topics covered in this issue include:

- 1) [8583] Kenwood mailing list
by William Wyatt <wbw95k@timon.acu.edu>
- 2) [8584] Regarding QRP Hall of Fame
by mike czuhajewski <wa8mcq@abs.net>
- 3) [8585] re: Steve Nurkiewicz/N2DAN
by Goemans <jgoemans@facstaff.wisc.edu>
- 4) [8586] Re: Novice QRP - Schedule Results
by Frank Kienast <fgk@iquest.net>
- 5) [8587] Silvered Mica Caps
by "Fred Ringwald" <fred@innocent.com>
- 6) [8588] Ten-Tec Argo 556 Mods
by "Ken Burrough" <ne0c@1st.net>
- 7) [8589] OHR-100 is now mobile!
by Maurice Rice <rice4@greenville.infi.net>
- 8) [8590] RE: Antenna Restrictions
by Jay & Jackie <jayboy@psnw.com>
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by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
- 10) [8592] Re: QRPTTF Op Hit List - Growing Fast!
by Lynn Simons <lsimons1@ix.netcom.com>
- 11) [8593] Kinda QRP - FM5JY QSL information
by Kevin Muenzler - WB5RUE <wb5rue@stic.net>
- 12) [8594] Another handy building tip...
by Jade Account <jadepro@jadeprod.com>
- 13) [8595] LED Night Light
by Jerry Parker <jparker@fix.net>
- 14) [8596] FS: HF & 2 Mtr
by William Keith Hibbert <wb2vuo@frontiernet.net>
- 15) [8597] RE: Antenna Restrictions
by "Joe E. Eder" <joe_eder@compuserve.com>
- 16) [8598] Results: Who do we share 30 meters with?
by Scott Bauer <ke3nv@erols.com>
- 17) [8599] Elmer 101
by "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
- 18) [8600] Re: Another handy building tip...
by Robert Bayha <rbayha@ix.netcom.com>
- 19) [8601] Replies-Is it ok to coil excess Twin Lead

by "Charles L. Stackhouse" <cstack@safelink.net>
20) [8602] Re: Water on rat shack antenna.....
by "Steve Sorrell" <ap036@detroit.freenet.org>
21) [8603] Re: Water on rat shack antenna.....
by "Steve Sorrell" <ap036@detroit.freenet.org>
22) [8604] Re: Elmer 101
by Lynn Simons <lsimons1@ix.netcom.com>
23) [8605] QRPTTF Antenna Idea
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
24) [8606] Re: Antenna Restrictions
by Ward Hill <w_hill@ns.net>
25) [8607] Re: Antenna Restrictions
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
26) [8608] Re: Elmer 101
by Roger Hightower <n7kt@earthlink.net>
27) [8609] Re: Antenna Restrictions
by Roger Hightower <n7kt@earthlink.net>
28) [8610] Re: Antenna Restrictions
by Dan Baldwin <baldwin@primenet.com>
29) [8611] DDS and a simple DC Rx
by Leon Heller <leon@lfheller.demon.co.uk>
30) [8612] Ten-Tec Arog 556 Mods
by "Ken Burrough" <ne0c@1st.net>
31) [8613] QRP+ question
by "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
32) [8614] Re: Antenna Restrictions
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
33) [8615] Re: RS Ribbon Cable Antenna
by "Bill Denton" <bdenton@tenet.edu>
34) [8616] Test - DO NOT READ
by Dave Sjolín <sjolin@swbell.net>
35) [8617] Antenna Help - Thanks and more Q's
by Brad Mugleston <bmug@gwl.com>
36) [8618] RE: elmer101 - PROBLEMS
by Brad Mugleston <bmug@gwl.com>
37) [8619] @ T minus 4 days & counting until QRPTTF '98
by wa5whn@juno.com
38) [8620] RS ant. beware!
by "Bill Denton" <bdenton@tenet.edu>
39) [8621] Ribbon Cable Antenna test results
by K5BDZ <K5BDZ@aol.com>
40) [8622] W1RFI/M/QRP/Delaware
by "Ed Hare, W1RFI" <ehare@arrl.org>
41) [8623] Re: Sierra Power Mods
by Rick McNelly <72507.235@compuserve.com>
42) [8624] KLN 4/19/98
by Randy Hargenrader <randyh@harksystems.com>
43) [8625] FDIM Registration Update 20 Apr 98

- by kt3a@juno.com (Cameron C.R. Bailey)
- 44) [8626] 85 RF Probe Test on Sierra
by Rick McNelly <72507.235@compuserve.com>
- 45) [8627] FOR SALE: Ten-Tec Scout
by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
- 46) [8628] How to unsubscribe?
by Thomas F Hohlfeld <hohlfeld@hp-pha.pharma.uni-duesseldorf.de>
- 47) [8629] Dayton QRP banquet, more
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 48) [8630] Re: LED Night Light
by Mike - W0TMW <crucis@sky.net>
- 49) [8631] QRPTTF 3 corners AZ/NV/UT
by Bruce Grubbs <bog@flagstaff.az.us>
- 50) [8632] SA/SA MK II up and running
by PDouglas12 <PDouglas12@aol.com>
- 51) [8633] FS: MK I Weber SA/SA
by PDouglas12 <PDouglas12@aol.com>
- 52) [8634] FD 98' Survey - Status Report
by Bill Todd <bill@willapabay.org>
- 53) [8635] QTTF posting needed today
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 54) [8636] posting
by ac5ez@webtv.net (Larry B)
- 55) [8637] Re: Antenna Restrictions
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 56) [8638] Dayton NorCal Building Contest Entries
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 57) [8639] Running to the borders
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 58) [8640] Wanted your help!
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 59) [8641] QRP Parts Storage for \$3.71
by Conrad <radman@best.com>
- 60) [8642] Re: How to unsubscribe?
by Ed Loranger <we6w@qsl.net>
- 61) [8643] Re: QTTF posting needed today
by Joe Gervais <vole@primenet.com>
- 62) [8644] QRPTTF over the rainbow
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 63) [8645] NorCal's '98 QRPTTF RULES
by Jerry Parker <jparker@fix.net>
- 64) [8646] Re: Triple Conversion Explained
by Randy Hargenrader <randyh@harksystems.com>
- 65) [8647] TR LOG.CFG for QRPTTF?
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
- 66) [8648] Be Careful for What You Ask
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 67) [8649] Radio Shack antenna

- by tom whalen <whalen@swcp.com>
- 68) [8650] More NA5N Sun Stuff
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 69) [8651] The Suburban Multibander by W6JJZ - Balun details needed
by Stephen John Farthing <stephen@stevef.demon.co.uk>
- 70) [8652] RS butane soldering iron
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 71) [8653] Norcal 40a Audio
by Richard C Berrill Jr <rjrberri@xnet.com>
- 72) [8654] The Peace that passes all understanding
by FrConrad <FrConrad@aol.com>
- 73) [8655] Buried coax and radials...
by "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
- 74) [8656] HP 200LX needed!!
by "Kim Andersen" <ox3fv@greenet.gl>
- 75) [8657] Re: Replacing tubes w semiconductors
by Rich <g4pce@richanny.demon.co.uk>
- 76) [8658] Re: The Suburban Multibander by W6JJZ - Balun details needed
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 77) [8659] Re: HP 200LX needed!!
by Monte Stark <ku7y@dri.edu>
- 78) [8660] Re: HP 200LX needed!!
by John Evans - N0HJ <jae@codenet.net>
- 79) [8661] WEEKEND Experiments...WE6W
by Ed Loranger <we6w@qsl.net>

Date: Sun, 19 Apr 1998 18:32:54 -0600 (CST)
From: William Wyatt <wbw95k@timon.acu.edu>
To: qrp mailing list <qrp-l@Lehigh.EDU>
Subject: [8583] Kenwood mailing list
Message-ID: <Pine.BSI.3.95.980419183224.14449A-100000@timon.acu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to everyone who gave me info on the qth reflector for Kenwood. 73

| | | | wbw95k@timon.acu.edu
| | | | William Wyatt
| /\ | | /\ | KC5ZGH <--Tech Plus // QRP-L member #1339
|/ \ | |/ \ | 1 Corinthians 13:13
<http://timon.acu.edu/~wbw95k>
--*** ***-- -** * -*- *-* ***** --** --* ****

Date: Sun, 19 Apr 1998 19:50:50 -0400
From: mike czuhajewski <wa8mcq@abs.net>
To: QRP forum <qrp-l@Lehigh.EDU>
Cc: Mike Czuhajewski <wa8mcq@abs.net>
Subject: [8584] Regarding QRP Hall of Fame
Message-ID: <353A8DDA.55EA@abs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It took me a while to get things off the ground this year, but I finally did, and the voting is over, and we have four more people who will be inducted into the QRP Hall of Fame (a QRP ARCI program) this year. The names will be made public at Dayton at the QRP banquet, and will join others such as the late W1FB, W7ZOI, W7EL, W0RSP and many others. The inductees have been notified already so they won't have a heart attack at the banquet when their names are called :-)

There are always people who are not at Dayton to receive their plaques, and get them through other means. It took a bit to get one to Ade Weiss by US mail. He was out of town on a trip, so his local post office sat on it for two months and finally sent it back to me, claiming the address was bad or that he was unknown, instead of holding it for his return. (It was sent priority mail, insured.) <sigh> But he got it the second time I mailed it.

And then there was another person who got his plaque recently, two years late. I just did a quick check of the latest qrp-l subscriber list and see that neither party is a subscriber at present, so I can mention this :-). I gave the plaque for XXXX to YYYY after the banquet in 1996, with YYYY agreeing to take it back with him since they lived in the same region and would probably see each other at a hamfest or other affair. About three weeks ago, XXXX said he was honored to be inducted in 1996, but shouldn't he have been given some sort of certificate or other tangible evidence? I quickly put him in contact with YYYY who admitted that he had tried to contact him a few times with no luck, and then the plaque buried itself in the piles of QRP things at his house. When contacted by the owner of the plaque he dug it out and forwarded it to him. Although it did take two years to get it, the story has a happy ending since the recipient says now he feels a bit guilty and will sit down and start designing and publishing a few more QRP things :-)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@abs.net
President, QRP ARCI

Date: Sun, 19 Apr 1998 19:30:30 -0500
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-1@Lehigh.EDU
Subject: [8585] re: Steve Nurkiewicz/N2DAN
Message-ID: <199804200030.TAA31870@mail1.doit.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

I don't own a Mercury paddle. Doubt I will buy a Bencher "Mercury".
I do have the big info packet that Steve sent me a year ago, oops I
waited too long. I have something else that I will value though, a
QSL card from N2DAN who answered my CQ on a cold night when
I was running about 1 1/2 watts from the car , a little over 2 years ago.
The band was dead I thought, I had been calling CQ for a long time.
The front of the card is a picture of the Mercury paddle, the back says
"Good show, Paul 73, Dan" That says it all....

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153 G QRP 9879

Date: Sun, 19 Apr 1998 20:03:18 -0500
From: Frank Kienast <fgk@iquest.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8586] Re: Novice QRP - Schedule Results
Message-ID: <353A9ED6.345F@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had a contact with N0GLM at both 2300Z and 0100Z on Friday evening.
He reported my RST at 338. His QTH is in western New York State - a
pretty reasonably distance from my QTH in northwestern Indiana. Also,
someone in Indianapolis, about 60 miles from my transmitting QTH,
reported possibly hearing me send my call on his shortwave receiver
(unconfirmed, however).

Many others listened at the schedule times and at other times we set up individually. I appreciate everyone's efforts. At least now I know contact is possible, though difficult, with my setup. If anyone else wanted to listen for me but did not get a chance, please let me know and I will set up an individual schedule at a time convenient for you.

I have gotten plenty of advice on everything from antennas to operating procedures from the group. I believe I have individually responded to and thanked everyone who wrote me via either the group or E-mail. If I missed anyone, please accept my apology - it was not intentional.

I will be getting a VFO rig of some type, probably at the Dayton hamfest, so that I can answer CQ's throughout the 40 meter Novice band. Meanwhile, I will continue to try with my present rig at least occasionally. I have gotten quite a few antenna ideas from the group and will be trying some of them. I also plan on upgrading my license in the next couple months to get access to more of the bands. I've already passed the General and Advanced theory. My CW speed, though improved by listening on 40 meters, is still not quite up to 13 wpm but I am going to continue listening and practicing.

I plan to continue hanging around this list to learn more about QRP and possibly provide assistance to people who are more a beginner than I am. I will post any major breakthroughs in my ability to make contacts, and when I get a VFO.

Thanks again for all your help, and I look forward to future interaction through the list and perhaps even on the air!

73,
Frank Kienast
KB9QEI

Date: Sun, 19 Apr 1998 20:05:51 -0500
From: "Fred Ringwald" <fred@innocent.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [8587] Silvered Mica Caps
Message-ID: <001e01bd6bf8\$76d9f960\$3f01e3d0@fred.ott.net>

In trying to find the caps Steve Hurst needed, I found that I didn't know as much about caps as I thought I did. I found some caps marked:

CM05ED
470J03
SAHA

and some marked:

CM05ED
010D03
ADI

and some marked:

CM05CD
100D03
with a CD on the side to the left.

The first, I believe is a 470 pf cap,
the second, I believe is a 10 pf cap,
and the third, I believe is a 100 pf cap.

Is this correct?? Also, what do the other markings indicate? (I presume, voltage rating, tolerance, temperature sensitivity, etc.)

While I found a few marked with explicit voltage ratings, many did not. How do I tell what the voltage rating is??

I guess I am asking if anyone can give me (us??) a short tutorial on silvered mica capacitor markings.

Thanks to all,

73s,

Fred Ringwald, AB0AE
fred@innocent.com

Date: Sun, 19 Apr 1998 20:47:48 -0400
From: "Ken Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [8588] Ten-Tec Argo 556 Mods
Message-ID: <000801bd6bfa\$17dd0a40\$77d633d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Mark--I didn't know anyone had published those mods for the Argo 556. I will do the Sidetone Spot and the AGC mods. I have used Ten-Tec for about 10 yrs and not having the zero beat in the Argo has been hard to get used to. My old Triton 4 Digital has it and of course my new Omni 6 Plus has CW Zero Beat. Thanks again.

Ken/ne0c Ex KA2HJY--N6EVC--KC0WN---USAF Retired--QRP-L 1524--QRP ARCI
9154--Fists 3014---AMI 596

Date: Sun, 19 Apr 1998 20:01:47 -0700
From: Maurice Rice <rice4@greenville.infi.net>
To: qrp-l@Lehigh.EDU
Subject: [8589] OHR-100 is now mobile!
Message-ID: <353ABA9B.4C46@greenville.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings all ...

The OHR-100 purchased about 9 months ago is now in the new F-150, just sitting proudly on the passenger seat in a homebrew carrying case with all it's accessories. Worked some of the MI contest, being heard on 1st call by several stations.

Mobile Station is as follows ...

- 7ah battery

- Homebrew 12v distribution box with jack for DVM cables

- OHR-100 40m

- MFJ 8043 IC keyer

- MFJ "Bencher" clone paddles or homebrew computer mouse paddles

- MFJ Econo-Tuner

- Swan SWR1A SWR meter

- Bentley Phones

- WD4BUM Big Stick antenna mounted on the tie-down cleat inside the bed of the truck (temporarily).

Plans are to create a permanent home in a carrying case of some sort, move the Big Stick to a more stabile mount and run permanent coax through the firewall, but they will have to wait until the south-east US dries out. Also want to replace the 4 C-cells in the keyer with AAs, or better yet external power.

Thanks to all on this reflector who have offered advice. Looking forward

to many fun contacts in the near future.

72 all
Maurice KA4NIV
QRPL# 1158 ARS#179

Date: Sun, 19 Apr 1998 18:38:09 -0700
From: Jay & Jackie <jayboy@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [8590] RE: Antenna Restrictions
Message-ID: <3.0.1.32.19980419183809.006c4c68@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I live in an area where there are restrictions for antennas of all kind.
>>(web sites or info.) Thanks --- Dan KK7JZ
>
>
>Dan and lots of others,

Same problem here in this "Gated" (pronounced "Safe") area. Our place has a cement tile roof and a very small back yard....Hot tub and storage shed about fills it.

So, I took those little push pins (at night) and glued them up-side-down along the peak line of the roof (used the red ones to match the tiles). Then I made a G5RV out of very small wire and wrapped the wire around each of pins down the roof line and over to the hot tub. Feed line lays on the roof and then down through the metal flashing for the air conditioner. Antenna height is 1" above the roof line and it does load and work...just not very well....Can you believe I gave up a 60' tower, big Tri-bander, inverted Vee's and QRO+ just two blocks away....And I'm renting that place?

Anyway, my next try is going to be a Screwdriver in the back yard (I'm in the group buy)....We'll see if that works any better. I'm open for ideas as well.

Jay, W6JDB Madera, CA

Date: Sun, 19 Apr 1998 19:44:58 -0600
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>
To: qrp-1@Lehigh.EDU
Subject: [8591] New Hams!

Message-ID: <3.0.3.32.19980419194458.00699a5c@dante.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, it's somewhat QRP-related...

Had 11 pass their Technician exam today after a Friday-night, all-day Saturday, and half-a-day Sunday weekend course. While I coordinated the effort (my first), the real help was from 5 other hams that were responsible for pieces of the course. It was heavily based on the new ARRL video tapes and the accompanying workbook. Eighteen started, 11 passed both elements, 2 more passed one element, and 5 failed both elements. I talked up QRP and got at least one convert from the student pool (and one from the instructor pool!)

Our club (Mesilla Valley Radio Club) has done this for about 3 years and claims about a 85-90% success rate. Guess my effort brought that down a bit but there may have been some other factors operating.

By the way, we also had two upgrades to Tech + and one attempt to upgrade to Extra (passed the theory but failed the code). This was a lot of work but, I think, the effort was worth it.

72

Tim K50I
Las Cruces, NM

Date: Sun, 19 Apr 1998 20:48:22 -0500
From: Lynn Simons <lsimons1@ix.netcom.com>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8592] Re: QRPTTF Op Hit List - Growing Fast!
Message-ID: <353AA966.D4D0D714@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To all:

If the weather cooperates my son and I will be flying up to WV the weekend of the QRPTTF. He wants my dad to take take him native brook trout fishing. If I can arrange it I will take the QRP+ rig and antenna tuner with me. Unfortunately the little plane I fly does allow too much cargo room. So I am going to have to see how much fishing equipment my son is going to pack before I can be sure I can take the rig. But if I can, I will set up and operate and once again put WV on the QRP map.

Now all I have to hope for is no more of those nasty storm systems that have been pounding us lately. I am instrument rated but that doesn't mean I can fly with thunderstorms and tornadoes in the area down here or the possibility of icing up there in WV. I will be able to better predict some time around Wednesday or Thursday. So stay tuned and I'll let you all know around then.

73/72,

Lynn, KJ3V
Birmingham, AL

Date: Sun, 19 Apr 1998 21:15:30 -0500
From: Kevin Muenzler - WB5RUE <wb5rue@stic.net>
To: "'QRP list'" <qrp-l@Lehigh.EDU>
Subject: [8593] Kinda QRP - FM5JY QSL information
Message-ID: <01BD6BD8.48D57AA0@SA5399-10-19.stic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I spoke with Bruno, FM5JY today on Martinique Island QRP. Does anyone have his QSL information?

Thanks

Kevin

Date: Sun, 19 Apr 98 22:23:17 PDT
From: Jade Account <jadepro@jadeprod.com>
To: qrp-l@Lehigh.EDU
Subject: [8594] Another handy building tip...

Message-ID: <Chameleon.980419222805.jadepro@jadepro.jadeprod.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

While we're on the thread of pill bottles for holding resistors etc., another handy thing I have found is cafeteria trays. At one time I purchased four at a flea market, with no idea of what I would do with them. Fifty cents each.

Brought them home and found that, Gee, these things are made of plastic, great to put the project on that I'm working on. Don't have to worry about short circuits on the the plastic surface. If that project has to move, it is simply a matter of picking it up and putting it on the shelf until later. They have raised edges, so the parts don't roll off.

Been doing that for years now. Sure beats having to gather everything up when the project has to move.

72

Dennis

Stop and see us at Booth 304 in DAYTON!!!

Jane Blanchard, KA1FUN, President -- Dennis Blanchard, K1YPP, Chief Engineer

	Phone:	603-329-6995 (Telephone hours 4 to 10 PM EST)
Jade	FAX:	603-329-4499
Products,	Orders:	800-523-3776
Inc.	e-mail:	jadepro@jadeprod.com

US Mail: Jade Products, Inc
PO Box 368
East Hampstead, NH 03826-0368

See our Web Page: <http://www.jadeprod.com/>

Date: Sun, 19 Apr 1998 19:57:06 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [8595] LED Night Light

Message-ID: <2.2.32.19980420025706.00d2bea0@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Some time back there was a threat about RED LED flashlights for night vision without destroying night vision.

Today while on my way through the checkstand my son came to me with one of those last minute trinkets hung along with candy etc.

This time I was pleased as it turned out to be a "SQUEEZE BUG".

A LED flashlight with battery enclosed. The case looks like a lady bug and it doubles as a key chain.

Walmarts bar code 39800 09365

Price a WHOPPING \$1.54

Check it out.

72,,,Jerry...WA6OWR...K

Date: Sun, 19 Apr 1998 22:01:56 -0400
From: William Keith Hibbert <wb2vuo@frontiernet.net>
To: qrp-1@Lehigh.EDU
Subject: [8596] FS: HF & 2 Mtr
Message-ID: <199804200201.WAA69264@node21.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The local Tech+ that had expressed interest in this gear backed out (found newer gear actually...), so here we go again...

For Sale:

Kenwood TR-72 (Also known as the Trio TR-7200) - 23 Xtal-controlled slots, 15 filled (8 with simplex). Includes the Drake 1545 Encoder-mike, bracket, extra bulbs for the dial(s) and the book. Asking \$80 shipped

Kenwood TH-21AT 2 Meter HT. Hamband only, thumbwheel switches for frequency control. Includes a battery, an empty battery shell, wall charger and PL encoder (presently set on 141.3 Hz). Owners annual and service manual included. Asking \$70 shipped

Kenwood TS-520S with the matching MC-50 mike, the 250Hz CW filter and the DS-1A DC module. Built-in AC and DC power supplies, transverter outputs, covers 160 - 10M (No WARC) Ham-band only. Asking \$350 shipped (and the UPS on this is \$30 - \$40!!!) Not a light-weight!!! This one will hold your desk down in heavy seas, for sure!

I also have a bunch of small "stuff" kicking around. Post your needs, and I'll check the junk box for your desires. My daughter says that if I find Brad Pitt in with the junk, he's spoken for!

Drop me a line if you are interested in any of the above, or drop me a line just because, and see you all on QRPTTF from NQ2RP/2 next week!

72/73, Keith, WB2VUO 100% QRP From the Great Bergen Swamp in WNY
ARRL Life Member, QRP-L #582, ScQRP #40, ARQRP #68
Trustee, NQ2RP/B 10 Mtr Milliwatting Beacon: 125 mW at 28.287 MHz
"My night light runs more power than my Rig!!!"

Date: Sun, 19 Apr 1998 22:48:26 -0400
From: "Joe E. Eder" <joe_eder@compuserve.com>
To: QRP-L Distribution <qrp-l@Lehigh.EDU>
Subject: [8597] RE: Antenna Restrictions
Message-ID: <199804192248_MC2-3A63-764B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Dan,

I have both the MFJ loop antenna, 10-30 meter version, in the attic, and a "droopy loop", i.e. horizontal 40 meter wire loop =

laying on my roof. The MFJ is coax fed, and I use 300-ohm twin-lead through a tuner for the droopy. The house is a one =

story ranch, so the antennas are both under 20 feet high.

The droopy is a much better listening antenna and is really

broad-banded compared to the MFJ. (Know anyone who wants to buy one?). The droopy is much quieter on receive. It can also be tuned for 10-30 meters.

Total cost for the droopy is under 10% of the MFJ!

Specifics of droopy loop -- 18 gauge stranded with grey =

insulation -- almost invisible on my roof. Used some electrical tape to "fasten" the loop to some of the roof penetrations =

(plumbing stacks), but it's lying rather freely on the =

roof. Total length of the loop is about 140-145 feet. From =

what I've read, length can vary. Antenna was described in New Ham Companion (ARRL) pages 24-25 of Chapter 3. =

Supposedly it can be coax fed, but at QRP I was =

concerned about losses on higher frequencies.

72 es 73,

Joe -- KW5OK

Date: Sun, 19 Apr 1998 23:00:47 -0400 (EDT)

From: Scott Bauer <ke3nv@erols.com>

To: qrp-1@Lehigh.EDU

Subject: [8598] Results: Who do we share 30 meters with?

Message-ID: <199804200300.XAA14863@smtp3.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hello,

Last week, I posted the question "Who do we share 30 meters with?" I got a lot of good answers from Ron/KU7Y, Bob/WA2HOQ, Bruce/W6TOY, Bob/W3CW, Walt/K8CV, Mike/AH7R and Ray/W5XE. I just wanted to say thanks to all of you for the good ideas and advise. Just incase anyone missed the reply from Ray Colbert, W5XE, I have it below. I thought it was very good info and want to share it with everyone that might have looked passed it the first time. Thanks again guys!!

72, Scott w3cv

>

>Regarding Scott W3CV's question, I offer the following:

>

>

>In a posting I did to QST for their Letters to the Editor a few days ago
>regarding qrm, some of the stations noted are: 10.100.7 is the German
>weather service with RTTY, on 10.105 +/- is a U.S. Navy RTTY station
>out of Spain (last I heard) on 10.107 is General Pacheco Radio LOL out
>of Argentina with SSB telephone services, on 10.110 is U.S. Air Force,
>on 10.111, 112, are fishing boats which I suspect may be looking for
>square grouper, on 10.118 is an unknown fax station, on 10.120, 121,
>122, 123, 124 is a digital Email system known as Winlink. for more
>info on this, see the May 1998 QST. I have sent Email to the ARRL
>division director, Section Manager and ARRL concerning this.

>And indications are that they do not wish to move that system at all. It
>appears to not conform to 97.221 regarding automatic digital operations.

>Above 10.125, you also have numerous military/government RTTY/SSB (on
>occasion) stations with the most prevalent being Mexican police,
>border stations and military.

>Doesn't leave the secondary user cw operator much space, does it?

>Hope this helps.

>

>By the way, Steve Ford, Managing Editor, replied with a shortie
>mmessage saying they would file my Email and may find a time to
>use it in the future! Wow!

>73

>

>--

>Ray Colbert, W5XE

>00TC 3618, SOWP 1064M

>El Paso, Tx (FAR WEST TEXAS!)

>also: w5xe@juno.com

>

>

>

Date: Sun, 19 Apr 1998 22:29:41 -0500

From: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>

To: <qrp-1@Lehigh.EDU>

Subject: [8599] Elmer 101

Message-ID: <353ac19311f1459@mhub3.tc.umn.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

I just got through sorting through all the pieces of my SW-40+ kit.

I just have one question.

In trying to identify the seven 0.1 uf monolithic capacitors, I believe I have

three that are marked: 104 E5M (as per the parts list)

and four are marked: 010 ARK (correct ???)

I am sure these must be the seven 0.1 uf monolithic capacitors, but just want to make sure about the alternative markings on the last four.

73,

Craig, AA0ZZ

Date: Sun, 19 Apr 1998 20:48:08 -0700
From: Robert Bayha <rbayha@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8600] Re: Another handy building tip...
Message-ID: <353AC578.65FDC7B0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How about those plastic trays that your airline "meal" is served on??
Flat, nice size, and raised edges... at least the ones I've seen lately.
Do they throw these things away or recycle them??? I'll have to ask next
time I'm treated to a gourmet meal :-).

Jade Account wrote:

handy thing I have found is cafeteria trays.
Brought them home and found that, Gee, these things are made of plastic,
great to put the project on that I'm working on. Don't have to worry
about short circuits on the the plastic surface. If that project has to
move, it is simply a matter of picking it up and putting it on the shelf
until later. They have raised edges, so the parts don't roll off.

--

Bob Bayha, K6RKB
QRP-L #1209, QRP-ARCI #9505
CQC #488 G-QRP #9884, NorCal #2394

Date: Mon, 20 Apr 1998 03:37:42 -0600
From: "Charles L. Stackhouse" <cstack@safelink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [8601] Replies-Is it ok to coil excess Twin Lead
Message-ID: <19980420035708133.AAA201@safelink.safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Charles L. Stackhouse wrote:

>
> When using Twin Lead (300 ohm) as feedline for transmitting antenna, I
> have heard you can't coil up any excess but that you should cut excess
off.
> Is this true? How about if you don't know how much you will need to get
up
> into trees, etc.?

Thanks to all who responded. I had not been able to get a definite answer
from an hour's research in ARRL Handbooks (check one from each of last 4
decades) and my file of ham radio magazine articles. I should have just
asked this List first and spent an hour on the air.

Three replies said "Do Not Coil Excess"

One reply said "You shouldn't coil it up tightly, but it won't hurt to make
a loose coil over a
branch or something."

And one contrarian replier said he coiled the excess, taped the coil
together and had 167 countries worked QRP with it.

73, Charlie WA2IPZ Burley, ID QRP-L 362

Date: Mon, 20 Apr 1998 04:16:05 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "RangerSF5" <RangerSF5@aol.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [8602] Re: Water on rat shack antenna.....
Message-ID: <000901bd6c0a\$a8defa20\$a742b3c7@default>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who said I was down on people! I think thats YOUR interpretation. All I was saying is don't try to make a silk purse out of a sows ear. Take the wire and parts and home brew something that will work well, that was all I said. I really don't know where you get the idea I was down on anyone. GEEZ! Have a nice day and you better keep it dry!
de Steve

Date: Mon, 20 Apr 1998 04:17:11 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [8603] Re: Water on rat shack antenna.....
Message-ID: <000d01bd6c0a\$d02faca0\$a742b3c7@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why do you keep giving it to me with double barrels?

Date: Sun, 19 Apr 1998 23:08:31 -0500
From: Lynn Simons <lsimons1@ix.netcom.com>
To: johns516@maroon.tc.umn.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8604] Re: Elmer 101
Message-ID: <353ACA3E.A6884FED@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Craig,

In your message you wrote:

three that are marked: 104 E5M (as per the parts list)
and four are marked: 010 ARK (correct ???)

BTW I finished mine today. I started it yesterday and in all spent about 4 - 5 hours total. What a great little rig and real pleasure to build!

Lynn, KJ3V
Birmingham, AL

```
--Doc Lindsey/K0EVZ      Rochester, MN--Home of the Mayo Clinic.
```

MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Sun, 19 Apr 1998 21:30:35 -0800
From: Ward Hill <w_hill@ns.net>
To: baldwin@primenet.com, qrp-l@Lehigh.EDU
Subject: [8606] Re: Antenna Restrictions
Message-ID: <l03130300b1608977d13a@[207.159.15.130]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just invoke PRB-1 and put up what you want.

72,

Ward Hill, WA6FUH
Engineer at KOVR, Channel 13 (CBS), Sacramento, CA
Life Member ARRL 10-10 #27139 QRP-L #1117 AK/QRP #249
All QRP, All home built/home brew equipment
w_hill@ns.net
WA6FUH@KM6PX.#NCA.CA.USA.NOAM

Date: Sun, 19 Apr 1998 22:36:47 -0700
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <baldwin@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [8607] Re: Antenna Restrictions
Message-ID: <19980420053720.AAA21488@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Dan Baldwin <baldwin@primenet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Antenna Restrictions

> Date: Sunday, April 19, 1998 12:44 PM

>

> I live in an area where there are restrictions for antennas of all kind.
does anyone have any
> ideas on this subject.

Thanks --- Dan KK7JZ

Dan -- you didn't tell us enough. Does the ''area'' happen to be a political boundary (city, etc) for which PRB-1 might offer some relief, or a private housing/condo/apartment development where terms of the lease, rental agreement, or CC and R or community association might prevent you from putting up an antenna (in which case PRB-1 probably won't help)???
GL and best 73/72

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

>

Date: Sun, 19 Apr 1998 23:15:43 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: johns516@maroon.tc.umn.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8608] Re: Elmer 101
Message-ID: <353A859F.F757621C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You have seven there, you're just looking at the wrong side. The value is marked on the opposite side of where it says 010 ARK (mine say ARW).

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Sun, 19 Apr 1998 23:18:20 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: w_hill@ns.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8609] Re: Antenna Restrictions

Message-ID: <353A863C.A21E4331@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

PRB-1 might work OK with a City, County or State, but it specifically
excepts Codes, Covenants and Restrictions (CC&Rs). FCC won't even think
about challenging those.

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Sun, 19 Apr 1998 23:58:01 -0700

From: Dan Baldwin <baldwin@primenet.com>

To: alan.kaul@worldnet.att.net

Cc: qrp-l@Lehigh.EDU

Subject: [8610] Re: Antenna Restrictions

Message-ID: <3.0.5.32.19980419235801.0086d380@mailhost.primenet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 10:36 PM 4/19/98 -0700, you wrote:

>-----

>> From: Dan Baldwin <baldwin@primenet.com>

>> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>> Subject: Antenna Restrictions

>> Date: Sunday, April 19, 1998 12:44 PM

>>

>> I live in an area where there are restrictions for antennas of all kind.

>does anyone have any

>> ideas on this subject.

>Thanks --- Dan KK7JZ

>

>Dan -- you didn't tell us enough. Does the ''area'' happen to be a

>political boundary (city, etc) for which PRB-1 might offer some relief, or

>a private housing/condo/apartment development where terms of the lease,

>rental agreement, or CC and R or community association might prevent you

>from putting up an antenna (in which case PRB-1 probably won't help)???

>GL and best 73/72

>

>Alan Kaul, W6RCL, LaCanada-Flintridge, CA

><http://home.att.net/~alan.kaul/qrp.html>

>alan.kaul@worldnet.att.net

>w6rcl@amsat.org

>

I live in a housing development in the city of Scottsdale Arizona.

We had to join a community association which sets rules on what you can and cannot do on your property. I know this stinks and we really weren't too familiar with community associations since we move here from Indiana and this type of organization was unheard of, I guess this is a common thing here in the west. In fact the community associations around here have taken people to court for having flag poles and basketball courts on their property. I live in a single story house and really don't have any tall trees yet.

I do have an attic and may make some use of it from ideas I have gotten from other people on the list. I really have gotten some other good ideas on hidden antennas from other people on the list and I will do some experimenting to find the best solution. --- 73 Dan KK7JZ

Date: Mon, 20 Apr 1998 11:01:15 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8611] DDS and a simple DC Rx
Message-ID: <hClgHDArZx01Ewpo@lfheller.demon.co.uk>
MIME-Version: 1.0

Noticing that the output from my AD9850 DDS system is about 200 mV P-P, about the right level for the NE602 mixer, I put together a very simple 40 m DC Rx using an NE602 as a product-detector, a low-noise BJT pre-amp (BC549) and a CA3140 op-amp driving a pair of headphones. The DDS is controlled via the PC printer port by a simple program that allows me to enter a frequency, and then move and down the band in 100 Hz steps using the PC keyboard. I have a 7-pole LP filter on the DDS (25 MHz clock) with a cutoff freq. of about 8 MHz.

The combination of a DDS and a simple DC Rx works quite well, and the performance is about the same as I get when using a signal generator as the local oscillator. Not very good, actually, as the NE602 is very easily overloaded and I'm getting AM detection problems with the strong broadcast stations we have here in Europe. I'll convert the Rx into a simple superhet by making the existing product detector crystal-controlled and use a second NE602 as a mixer, with injection from the DDS. This should work a lot better, especially if I incorporate a simple ladder filter between the mixer and the product detector.

I'm also putting together another Rx based on Rick Campbell's Mini R2, which I'll be feeding into a DSP for demodulation, filtering, etc. I'll have to use a bit of amplification on the DDS output in this case, to get the requisite +7 dBm for the mixers.

73, Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Mon, 20 Apr 1998 08:49:07 -0400
From: "Ken Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [8612] Ten-Tec Arog 556 Mods
Message-ID: <001f01bd6c5a\$cbb16920\$91d633d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ray Johnston wrote--Ken, I seem to have missed the entire 556 mod subject.
If the mods are in a file----Sorry Ray I deleted the file after printing,
however, Mark Gilger <mgilger@concentric.net> posted the mods to the list
for me. Maybe Mark will see this and repost the Argo 556 mods. The mods
came from an artical, A Six-Pack of Ten-Tec Scout Modifications, in The QRP
Quarterly April 1994. As you know the Scout is no more then a Argo with an
50 watt amp.

Again sorry Ray--73 from The Buzzard Roost--Ken/ne0c

Date: Mon, 20 Apr 1998 08:06:37 -0600
From: "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
To: qrp-l@Lehigh.EDU
Subject: [8613] QRP+ question
Message-ID: <197C0B11DE5@nich-nsunet.nich.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

Hello All!

While playing around with the LDG qrp automatic antenna tuner this
week, my power output crashed. It seems as though I can now only get

about 1 watt out of the rig. I never had any problems while using an "almost dead" car battery. However, I tried using a regulated 12 volt supply to get a little more power out of it right before it went out. I noticed that I did get about 7 watts out on cw before the problem.

Has this happened to anyone? Did I possibly "push" it too hard? I measured output of power supply and all seems to be ok. After opening the cover of the QRP+ and seeing the location of the final, I closed it back up.

I am thinking about getting it shipped off for repair and possibly upgrade. Does anyone have estimated prices on upgrades and are they packaged deals or individual upgrades? Wouldn't mind spending a few dollars but can't invest too much in this project.

Has anyone changed the final and what was cost of it??

Any information, assistance, .02 cents would be appreciated. Please e-mail direct.

Thanks es 73 de WA50JI Evert

Evert R. Halbach WA50JI
Internet - cs-erh@nich-nsunet.nich.edu
Phone - (504) 448-4993
Snail - P.O. Box 2168 Thibodaux, La. 70310
Home - 117 Sawmill Rd., Thibodaux, La. 70301

Date: Mon, 20 Apr 1998 09:26:29 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:baldwin@primenet.com" <baldwin@primenet.com>
Cc: "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.EDU>
Subject: [8614] Re: Antenna Restrictions
Message-ID: <199804200929_MC2-3A65-4E0E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dan:

Why not try something like a Hamstick or Bugcatcher (or other) on your van/car? This can be a surprisingly better approach than it might at first appear. I don't believe anyone can prevent a person having a radio in their car :-).

I bought a Hamstick to use while on trips. I simply place it on the rental car, run the coax in the hotel window--and I am in business. At first thought it might be a severely compromised approach. Found the reverse to be true! Have worked stations all over the USA with it, and have snagged more DX than I anticipated. And at least one FOX worked some of his stint from his Jimmy :-).

This is not ideal, but it would be better than no QSO's. And it will give you time to install those stealth skywires <VBG>. Just my \$.02 worth. Good luck.

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.

MWBC

519-16th Street SE

Rochester, MN 55904

507/289-5108 (eves)

Date: Mon, 20 Apr 1998 08:48:58 -0500
From: "Bill Denton" <bdenton@tenet.edu>
To: w5yr@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8615] Re: RS Ribbon Cable Antenna
Message-ID: <353B524A.4CB@tenet.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

GANG....

I don't know what all the hubub is about on that antenna. It's a piece of junk. I put one up for my WWV receiver on the roof of our TV studios. That thing has come apart several times. I'm going to replace it with a real antenna. It's too fragile. It just falls apart under its own weight. Make sure when you put it up, you don't put any extra stress on the center connector. This is NOT a good antenna. I wouldn't put one back up if they were free.

Bill W5SB

George T. Baker wrote:

>
> It is great to see all the enthusiasm for the RS multiple-dipole antenna
> for such a great price.
>
> BUT,
>
> Keep in mind that with the individual band dipoles so very close
> together (ribbon cable) there will be a great deal of interaction among
> them. Result is that cutting and tuning the separate wires for the
> separate bands will not be an easy job. Parallel multiple dipoles are
> usually installed with the individual dipoles separated angularly as
> much as possible. The worst condition is for the dipoles to be
> paralllel, and the next worst condition is for the dipoles to be very
> close to one another.
>
> These effects probably have little or no adverse effect for receiving
> (which is what the antenna is sold for) but for transmitting they will
> make tuning to resonance in the various bands a tough job. It can be
> done, but not readily.
>
> A lot of good wire for the price, but you might want to think about
> stripping the multiple-conductor ribbon cable wires apart and separating
> them as much as possible before trying to cut them to length. Afraid
> that the formula figures will only be very approximate - expect to make
> a few trips to the antenna with the clippers!
>
> --
> 72/73, George
> Amateur Radio W5YR (since 1946)
> QRP-L #1373 QRP ARCI #9583
> AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Mon, 20 Apr 1998 09:01:46 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [8616] Test - DO NOT READ
Message-ID: <353B554A.3532F315@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Test ...

Date: Fri, 17 Apr 1998 21:25:13 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [8617] Antenna Help - Thanks and more Q's
Message-ID: <01BD6C32.CF835FE0@pps-pc10.gw1.com>

Gang,

I asked the following question a week or so ago and got lots of replies (none of which were the same - which is what I expected). I was fishing for ideas and got a lot. I now have one question that you may be able to answer. With my 150 feet of wire I would like to cut it in half and put bullet connectors on all 4 ends. This way I would be able to make a long wire and a loop and a dipole and an L and half square and a whole bunch of other configurations. I would also put the bullet connectors on the twin lead.

Now for my question - will it work without too much loss? Or would I be better off just picking a single design and stick with it. Now if It works would I be a head if I turned it into four wires or other combinations of lengths?

Thanks,

de KB0ROL, Brad

At 12:52 PM 4/9/98 -0600, I wrote:

>Gang,

>

>I have 150 feet of 12G flex wire (Antennas West), 45 feet of 450 ohm twin lead and a ZM-1. What should I build for portable/camping?

>

>Brad

>

>

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Date: Mon, 20 Apr 1998 08:06:03 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "bmug@gwl.com" <bmug@gwl.com>, "'Michael Maiorana'" <mikemo@ibm.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8618] RE: elmer101 - PROBLEMS
Message-ID: <01BD6C33.2C52D5C0@pps-pc10.gwl.com>

Thank you for the information, I forgot that the PIV rating was so high.
The one thing I forgot completely about and Glen Leinweber reminded me
about was the .7V drop. If I were running on low batteries this may make
the difference (I don't know how long it would take my batteries to loose
.7V so, again, it may be an insignificant item concern).

The idea about feeding with AC (no I'm not going to try it) is something I
forgot all about and I've even built rectifiers before (long time ago, in a
place far far away).

Boy is this group great

de KB0ROL, Brad

From: Michael Maiorana[SMTP:mikemo@ibm.net]
Sent: Friday, April 17, 1998 10:12 PM
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion
Subject: Re: elmer101 - PROBLEMS

Brad Mugleston wrote:

>
> I think what I was asking was - If I really screwed up and applied more
> voltage than reasonable and got it backwards (I mean if I'm going to
screw
> up I'm really going to screw up) will it jump the diode and fry my
circuit?

The 1N4001 is rated for 100 volts peak inverse voltage. This means that
it wont break down with less than 100 volts. My guess is that it would
handle that and probably a bit more (parts are usually under rated). So,
100 volts backwards on the supply pins and you will still be ok. If you
want more, replace the 1N4001 with a 1N4007, I believe this has a rating
of 1000 volts PIV.

Looking at the schematic, you could put 12 volts A.C. on the inputs and
it would work, with the diode acting as a half wave rectifier and the
cap as a filter. I don't know if that 220 microfarad cap could filter
enough. Your RF out would probably have a nasty 60hz AM component. Any
opinions on this?

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"De do do do, de da da da. Thats all I want to say to you" The Police

Date: Mon, 20 Apr 1998 08:14:26 -0600
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: jparker@fix.net, vole@primenet.com
Subject: [8619] @ T minus 4 days & counting until QRPTTF '98
Message-ID: <19980420.081438.2678.0.wa5whn@juno.com>

QRPTTF '98 participants,

When you post your QRPTTF '98 reports to the QRP-L, after the event, please cc jparker@fix.net. Jerry will archive them in one place for all to view. Don't forget to take pictures. Tnx Jerry.

WOW !! One could work 32 stations, and essentially work all States in this contest. 1 contact, 2 Countries, at that rate, 50 contacts, DXCC QRP. That means with 82 contacts, I will have DXCC - QRP & WAS-QRP ;-)

This is one of the few contests where we will have to place a plastic bag over the small radios to keep the dust out & tie them down so they won't blow away. I did pack my desert goggles.

Soon to be sand blasted from the 4
Corners {N4C}...Jay, WA5WHN DM56LX

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 20 Apr 1998 09:23:39 -0500
From: "Bill Denton" <bdenton@tenet.edu>
To: qrp-1@Lehigh.EDU
Subject: [8620] RS ant. beware!
Message-ID: <353B5A6B.5BF2@tenet.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi guys,I needed a quick and easy antenna for our WWV clocks at the TV studios where I am the Chief Engineer. I saw the multiband ant. in the RS catalog. Since I have one around the corner I decided to run over and pick one up. Didn't want to go to the trouble to construct a real one. I put it on the roof of our two story building with the center tied off about 10 ft up on our microwave tower. I let the end just droop down and tied them off at some drain vents. I have to go up every so often and repair it. Where the wires go into the center connector is very fragile and breaks almost at it's own weight. So DON'T put an extra force on it. I have never considered it a very good antenna. It just barely receives WWV for some reason. It does well enough to keep our clocks in sync.

It's been up about two years and been repaired many times. In fact one leg is broken off now from the PL-259.

Good with them.....Bill W5SB Houston texas

Date: Mon, 20 Apr 1998 10:34:09 EDT
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [8621] Ribbon Cable Antenna test results
Message-ID: <d06f45a4.353b5ce3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well Folks,
I've put up my RatShakk ribbon cable dipole special and here are the results:

George, W5YR in Fairview, TX - why don't I learn to listen to good minds like yours with your experience? My experience with this type antenna was at least 15 years ago, and I forgot the many problems I had until I had this tiger by the tail and couldn't let go!

- 1) First I left 40 meters the same (no trimming) and it worked well on 40 and 15...flat in CW portion of each band and very low across each band.
- 2) Next I trimmed the other respective band wires (10m, 17m, 20m) and added length for 30m with the formula $468/\text{freq.}$ WRONG. Now I'm going back and adding wire with the formula $492/\text{Freq.}$ and will trim off from there.
- 3) NOW I REMEMBER my last ribbon cable antenna 10 years ago! Worked surprisingly well for portable ant. for what it was..... what it was was almost identical in design and materialsand the problems were the same.....a real bitch to tune on individual bands! What did I do back then? I considered it a "Nonresonant antenna" on the bands with high SWR and matched it with a tuner! Pi net or T match...depending on the weekend. Brought it all down to flat SWR and worked surprisingly well... but I've seen much better and much more simple.
- 4) 80 meters will work with a tuner, but not very well vs other antennas. But it will at least allow you to get on the air if your tuner has enough capacity to tune it on 80.
- 5) My favorite two dipole antennae are still the KISS antenna (33', centerfed dipole, fed with 300 Ohm and fed with balanced wire tuner) or my all time favorite, the off-center fed dipole, 32' on one leg, 62' on the other leg, fed with 450 ohm twinlead into a tuner. Both greatly outperform the RattShak and are more simple to make.
- 6) Finally, almost everyone has and uses an antenna tuner. Design your own wire antennas, use the tuner, and experiment. How many good wire antennas could you have made and experimented with in all the time you've spent calling all the RattShakk stores, finding your RatShakk dipole, driving across town to pick it up, and trying to read QRP-L and many books trying to figure the best way to cut and tune it?

What am I going to do with my other RS antenna still in the package? I'm going to put it on the eaves of the house and run coax to my R71 in the den. Then I'm going to put on my RS wireless headphones, grab the R71 remote control, and sit bac, band hop, and listen to short wave, hams, and other sigsalso can wear wireless phones to work out by the pool etc.

Did I get my money's worth? Sure...why not. Even if it did prove George, W5YR right and prove me forgetful... I at least recalled some happy memories along the same old frustrations.
Bill, K5BDZ

Date: Mon, 20 Apr 1998 11:02:22 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [8622] W1RFI/M/QRP/Delaware
Message-ID: <353B637E.3192@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, Fellow Qrpers.

A few weeks ago the thread of Delaware 2XQRP came up. I am still going there this weekend. I will actually be doing a multi-state operation.

I will leave Connecticut around mid-day on Wednesday, driving to Piscataway, NJ to participate in the IEEE SCC-28 RF-safety standards committee meeting. I will operate between 14.055 and 14.060, CW mobile, running (gulp!) about 100 watts to help out some of my county hunter buddies. I will pass through CT, NY and, of course, NJ. If anyone wants a 2XQRP contact, call me on 20 meters, and I can QRP on the spot, or we can QSY for a more "random" QRP contact. Late evenings often produce some reasonable openings to the West Coast. (If you are hearing W1AW very well, we probably have a good shot.) I have done some 2XQRP/M work to CA on 40 meters, as well, but a lot will depend on my local noise conditions.

I will try to operate evenings a bit from NJ, both on 14.060+- and 7.040 +-. I will be in NJ on Wed, Thur and Fri evenings. Saturday morning, I will drive to DE. I am planning on running through NJ to get there. If the meeting breaks up early on Friday, I may take off Friday afternoon and be in DE Friday evening.

I will arrive in DE around early afternoon EST on Saturday, I will have a fair amount of operating time available, but also need to get some article writing done for the new RFI book, so will try 14.060+- every couple of hours. Look for me on 14.060 at 1900Z, 2100Z, 2300Z, 0100Z and 0300Z. I will also bring a random wire and antenna tuner, and will see what I can cobble up for 40 meters, probably around 1930Z, 2130Z, etc. At 0130 and 0330 or so, I will see what 3560 looks like. I will operate only QRP in Delaware, so when you hear W1RFI/QRP, you will know I am in Delaware.

If anyone wants to make a sked for Delaware, email me here at ARRL HQ (w1rfi@arrl.org). What might help to set a time for the West Coasters is for you to monitor W1AW today and see what time it peaks. Chances are we will have similar conditions later in the week. I can be reached here ONLY on Monday and Tuesday. On Saturday, I will be at the Econo Lodge in New Castle, DE 302-322-4500. Feel free to call on Saturday.

72/73, and good luck!
Ed Hare, W1RFI

Date: Mon, 20 Apr 1998 11:07:29 -0400
From: Rick McNelly <72507.235@compuserve.com>
To: ki7mn@dancris.com, qrp-1@Lehigh.EDU
Subject: [8623] Re: Sierra Power Mods
Message-ID: <199804201110_MC2-3A70-4AF7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Bob KI7MN wrote:

<Just finished the 15 Meter module, and get a whopping one watt out! Not bad, considering I got none at first, then added two turns to L3 and pulled one off of L5.

Any ideas on how to boost the power without tearing it up? Is there a good replacement for the 2N3553 that will drop in, boost power a tad, and not require extensive remodeling?>

Hi Bob,

I'm getting about 2.2w out of my 15M module with a 13.8v power supply measured with an oscscope and the 85RF probe . Have installed the fol mods:

- J310 in place of J309
- ferrite bead on the 2N2222
- one turn removed from L5
- turns squished together some on L6 (try it)
- final replaced w/ a MRF 237
- I replaced D11 & D12 with a 220 ohm resistor and a .01 cap wired in parallel (as in the currently shipping version), may undo this as power was closer to 2.5w before this mod.

I have not tried adding turns to L3.

Only other difference is that T2 has a 11:3 turns ratio vice 8:3 (original manual) or 11:5 listed in current manual as reported by QRP Bob at Wilderness. I don't remember where I got this from, I penned it in on the manual before building the rig maybe 2 years ago?

I have been eyeballing the transformer mod that has been on the list recently, but since all of my modules have one turn removed from L5 I am afraid to try it.

By the way, my WM-1 reads considerably lower than the other test equipment on this band module. See my repost of the 85RF probe test.

Hope this helps!

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K

Date: Mon, 20 Apr 1998 11:13:23 -0700
From: Randy Hargenrader <randyh@harksystems.com>
To: "klqrp@waterw.com" <klqrp@waterw.com>, qrp-l@Lehigh.EDU
Subject: [8624] KLN 4/19/98
Message-ID: <353B9043.E27A4C8@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The KnightLite QRP net met last night despite the promise of mucho QRN. The results were fantastic! My thanks to the crew that helped with QSP's. I really needed them last night!
11 Stations checked in last night...

QNS: QRPp: K4NK Les using a Tixie at 250mW! 549 at the NCS QTH
QRPp: WB4OFT John using a SMiTe at 260mW 449 at the NCS QTH
N2VJO Robb in NY
W3RDF DON in SC
K2SJB Dave in NY
K1CL Chuck in NJ
AA4XX Paul in NC
WF4I Derek in NC
AA1KC Lon in Maine!!
N3GO Gary in MD(?)
and yours truly WJ4P/NCS in SC

The KnightLite Net meets Sunday nights starting at 9:30pm Eastern time on 3.686.4 MHz. All (including QRO) are welcome. Come on by and see what 250mW can do!

--

73, Randy WJ4P
Knightlites QRP-L #296

Date: Mon, 20 Apr 1998 11:13:52 -0400
From: kt3a@juno.com (Cameron C.R. Bailey)
To: qrp-l@Lehigh.EDU
Cc: w4du@bellsouth.net, w4qo@amsat.org, rgob@worldnet.att.net, kc4hnh@juno.com, k8dd@tir.com, ku7y@sage.dri.edu
Subject: [8625] FDIM Registration Update 20 Apr 98
Message-ID: <19980420.111355.3350.0.kt3a@juno.com>

Here are the latest. I will try to post weekly.
Don't delay in getting your registration in.
Check the ARCI web page too. www.qrparci.org
If you can help fill in callsigns that are missing,
I would appreciate it.

72, KT3A Registration Dude
Cameron C.R. Bailey
Mount Wolf, Pennsylvania
kt3a@juno.com

Conf #	Call Name
1	KT3A Cameron Bailey
2	NF3I Scott Rosenfeld
3	KC5FMZ Robert Sorge
4	WA1QAA Mike Carr
5	W2MY Steven Pituch
6	W2MBY John Pituch
7	Terence Shilhanek
8	KR5L Jerry Henshaw
9	WB4TAJ Bob Bruner
10	WA9FLX Dick Wohlschlag
11	WW4WL Mitchell Louis
12	KB2WDK Bob Fae
13	KG2ED Rich Stamile
14	K2IPH Marv Sachs
15	Martin Lynch
16	W1HUE Larry East
17	K1CL Charles Ludinsky
18	N8PVZ Bernard Gaffney

19	K8IDN	Steven	Bornstein
20	K8IQY	Jim	Kortge
21	G4WIF	Tony	Fishpool
22	G3MFJ	Graham	Firth
23	K5ZTY	Bill	Stietenroth
24	K8AX	David	Brown
25	N5SK	Steven	Karty
26		Vincent	Passione
27	N9ZZ	Robert	Schill
28		Embedded	Research
29		Embedded	Research
30	K0BC	Gary	Harrison
31	KF00V	Dan	Copeland
32	W0HX	Stan	Underhill
33	N9QIL	Kenneth	Wezeman
34	W5TWR	Ed	Crowell
35	W8LPR	Michael	Nelson
36	K5HGB	Glen	Reid
37	N7RI	Ralph	Irons
38	WA8RXI	Richard	Arzadon
39	K8ZN	Doug	LeVan
40	AD6AY	David	Fifield
41	WA8HDR	David	Doubleday
42	WD4ET	Jeffrey	Greer
43	KF4TPR	Debbie	Greer
44	WD8AAU	Daniel	Puckett
45	AA5VS	Robert	Bowman
46	WD8JCR	Jim	Wharton
47	KA0GKC	Claton	Cadmus
48	N9AYI	Randy	Jobe
49	N9AYI	Randy	Jobe
50	W4DU	Ken	Evans
51	K4PQC	Phil	Specht
52	W4Q0	Jim	Stafford
53	KS4RN	Leonard	Young
54	KC5TUH	Galen	Krisov
55	KD3FG	Jon	Mitchell
56	N3XRV	Chris	Cartwright
57	N3FZX	Ken	McCaughey
58		Bob	Hospadaruk
59	KF6ML	Samuel	Imai
60	N8ET	Bill	Kelsey
61	W1REX	Rex	Harper
62	W5JAY	Jay	Bromley
63	AE4IC	Bob	Kellogg
64	A1XYL	Ellen	Kellogg
65	N5EM	Ed	Manuel
66	VE3FA0	Frank	Roberts

67	K2UD	Howard	Kraus
68	N8VAR	Ron	Doyle
69	AC5II	Don	Doyle
70	WA1FXT	Robert	Cerreto
71	N3SLR	Rich	Bachmann
72	N3BYN	Gary	Johney
73	KM3V	Chuck	Hartley
74	K3TKS	Danny	Gingell
75	WA2YGY	Ray	Johnston
76	W40P	Dale	Parfitt
77	W7EL	Roy	LeWallen
78	K7RXV	Roger	Steyaert
79	WA6OWR	Jerry	Parker
80	K2SH	Brian	Harold
81	WB9FLW	Peter	Eaton
82	KF6CXC	Bob	Cortez
83	W3HMS	John	Jaminet
84	VA3SB	Serge	Bertuzzo
85		Fred	Massena
86	KE30A	Dave	Nygren
87	N3RN	Bob	Nygren
88	N8TUT	Douglas	Marsh
89	K9NE	Wayne	Reed
90	K04CO	Edward	Simon
91	W3QF	John	Muller
92	AB5PC	Dave	Epps
93	N9JXY	Denny	Payton
94	#7404	Ralph	Butler
95	AA10F	Jerome	Terres, M.D.
96	K5HQV	Ben	McKinney
97	N3SAD	Kathy	Szakonyi
98	KA3ZOW	Dick	Szakonyi
99	KG8IH	Stephen	Trier
100	N4TME	Al	Ruschel
101		Quint	Wilson
102	K1TW	Tom	Walsh
103	AA2YS	Rich	Mulvey
104	K8NI	Norm	Into
105	NC8N	Ernie	Antczak
106	WK8S	Pete	Meier
107	W2SH	Charles	Moizeau
108	N8GKQ	David	Stichweh
109	WB8FNH	Martin	Himes
110	N2YVF	Jeffrey	Nelson
111	KF8EE	Ted	Albert
112	K8FF	Wayne	Smith
113	K4AVX	John	Farler
114	W9MIU	John	Strain

115 N0EB Bob Gobrick
116 K9AY Gary Breed
117 N2APB George Heron
118 W4RNL L.B. Cebik
119 G0BPS Dick Pascoe
120 G5RJV George Dobbs
121 N2CX Joe Everhart
122 KU7Y Ron Stark
123 N1SG Steve Greenbaum
124 N8CQA Buck Sweitzer
125 K8DD Hank Kohl
126 KB0YZY Tom Samples
127 N3BYY Scott Howell
128 KC4MHM Ed Miller
129 Robert Brown
130 K4NK Les Shattuck
131 Lawrence Stoskopf
132 K8AQZ Don Firlik

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Date: Mon, 20 Apr 1998 11:07:37 -0400
From: Rick McNelly <72507.235@compuserve.com>
To: ki7mn@dancris.com, qrp-1@Lehigh.EDU
Subject: [8626] 85 RF Probe Test on Sierra
Message-ID: <199804201112_MC2-3A6E-D09@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

If anyone is interested,

I have been comparing power measurements on my Sierra taken with the 85 RF
probe (and Fluke 77) vs. an HP-1707B 75 MHz scope (and 60 MHz probe) vs. WM-1
vs. KC-2.

Initially I was perplexed by a difference of up to 0.4w difference btwn the RF

probe and scope. I believe it was due to a difference of the load presented to the Sierra when switching between measurement devices.

I solved this by connecting both the RF probe and the scope probe at the same time. The scope probe is clipped to the center conductor of the bnc jack inside the Sierra, a tee connector splits the output between the WM-1/50 ohm dummy load and the RF probe. The KC-2 was aligned to display the same reading as the WM-1 on 40M and it will not adjust any higher unless I change a resistor as per the KC-2 manual.

I used the fol formulas to convert the measurements to watts:

- scope measured $V_{p-p}/2 * 0.707 = V_{rms}$
- RF probe displays results as V_{rms}
- $V_{rms} * V_{rms}/50 = \text{power in watts}$

If I have this wrong somebody tell me.

Results in watts :

Band	Scope	85-RF	WM-1	KC-2
15M	2.22	2.34	1.7	1.9
20M	3.24	3.44	3.0	3.0
30M	3.24	3.37	3.0	3.1
40M	3.57	3.61	3.3	3.3
80M	2.84	2.93	2.7	2.7

So what to make of my unscientific measurements? I am pleased to see that the RF probe and scope are pretty close, especially since it is difficult to tell the difference between 36v and 37v p-p on the scope. Just to experiment I removed the scope probe and quickly measured again, the RF probe would measure an additional 0.1 watt or so.

I realigned the WM-1 prior to the test but I do not know why it reads so much lower on 15M.

An el cheapo Elenco M-1700 multimeter displayed identical measurements as the Fluke 77, so anyone who is worried abt accuracy should feel ok if the meter has a 10 Mohm input impedance.

It is so nice to have test equipment. I had posted to the list before abt possibly getting a GDO or SWR analyzer and have talked the ham club into purchasing the MFJ-259 which I have borrowed (it came in very handy when testing the new coil for my SLV) :-).

I also found an incredible deal on a Heathkit / Zenith 175 Mhz counter which has helped me identify a bad crystal in the 20M module and a bad trimmer cap in the 30M module. I have also trimmed the crystal in the modules so they all line up on freq and the KC-2 is consistent band to band.

Cool!

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K

Date: Mon, 20 Apr 1998 11:33:55 -0400
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-l@Lehigh.EDU>
Subject: [8627] FOR SALE: Ten-Tec Scout
Message-ID: <199804201535.LAA00541@smtp3.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

FOR SALE: Ten-Tec Scout, model 555. Used only indoors, never mobile. 80,40, and 10 meter modules, hand mic, and model 291 antenna tuner designed for the Scout. Built in keyer controlled at the front panel. Original manuals. Excellent condition electronically and physically. \$450.00 includes shipping.

Jeff KF4JSV QRP-L # 743
email: jpoulin@erols.com

Date: Mon, 20 Apr 1998 16:42:22 -0700
From: Thomas F Hohlfeld <hohlfeld@hp-pha.pharma.uni-duesseldorf.de>
To: qrp-l@Lehigh.EDU
Subject: [8628] How to unsubscribe?
Message-ID: <353BDD5E.4C24@pharma.uni-duesseldorf.de>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I appreciate this reflector very much. Anyway, sometimes I would appreciate to temporarily unsubscribe and later re-subscribe to reduce the huge amount of mails in my box. Can anybody help me to recall what the appropriate commands are?

Thank you in advance,
Thomas - DF5KF -
[hohlfeld@pharma.uni-duesseldorf.de]

Date: Mon, 20 Apr 1998 11:34:26 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [8629] Dayton QRP banquet, more
Message-ID: <Pine.LNX.3.95.980420113030.21002C-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Latest count of attendees is 162!

Confirmation from 32 donors of door prizes!

The menu has been set!

Friday, May 15, 7 p.m., \$22/head, lots of fun, lots of great folks.

If you plan to be in Dayton, plan to be there!

For more info, check my web site...

<http://w3eax.umd.edu/~ham>

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Mon, 20 Apr 1998 10:47:00 -0500
From: Mike - W0TMW <crucis@sky.net>
To: jparker@fix.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8630] Re: LED Night Light
Message-ID: <353B6DF4.DD0CE9F1@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry Parker wrote:

>

> Some time back there was a threat about RED LED flashlights for night
> vision without destroying night vision.

>

The problem with flashing red lights is that it can trigger an epileptic seizure in some folks---not many, but some. As I remember, if the frequency of the flashes sync with alpha(?) brainwaves, a seizure can result. This only applies to folks who have epilepsy in the first place.

Mike - WOTMW

Snip!

>

> 72,,,Jerry...WA6OWR...K

--

```
=====
Mike Watson, WOTMW           QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA      Grid: EM28st, ARS# 352, QRP-L# 1849
http://www.sky.net/~crucis   E-mail: crucis@sky.net  ARCI# 9647
=====
```

Date: Mon, 20 Apr 1998 08:47:47 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: azqrp@dancris.com
Cc: qrp-1@Lehigh.EDU
Subject: [8631] QRPTTF 3 corners AZ/NV/UT
Message-ID: <3.0.5.32.19980420084747.009634f0@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

An update on our QRPTTF op:

K7ZEN, Scott, and I will be operating from the AZ/NV/UT point under my call, N7CEE, because I just got a big batch of QSL cards printed.

We'll also operate mobile on the cw qrp freq. on the drive up (Friday) and the return Sunday morning, most likely 20 and 15 meters +/- condx.

Looks like it's going to be great fun!

72 all

Bruce, N7CEE

packet: n7cee@n7cee.az.noam.us
email: bog@flagstaff.az.us

Coconino ARC
QRP ARCI #5883
Adventure Radio Society #344
"Minimal Means... Maximum Fun"

Date: Mon, 20 Apr 1998 11:54:57 EDT
From: PDouglas12 <PDouglas12@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [8632] SA/SA MK II up and running
Message-ID: <442566a8.353b6fd3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

This guy Steve Weber KD1JV makes stuff that works. I finally got the time to stuff the board and wire up the MK II Weber Spectrum Analyzer Scope Adapter, and it worked from first power up. Steve is the same fella' who is kitting his opto-isolated keyer for about a hundred of you folks. If the keyer is as good as the SA/SAs he kitted, you are going to be happy with it. Remember, Steve is a talented amateur (with a small "a" in this case.) That is, he isn't doing this for profit (not that it would be a bad thing if he has a few bucks left over when the kits are shipped out.) He is doing it because he can make good stuff for himself and is willing to share.

So what is an SA/SA? It is an instrument that, when used with an oscilloscope will allow you to see signals across a segment of the radio spectrum. This device has a maximum range of about 0 to 100 MHz, so you can see, for example, the output of a transmitter and its harmonics/spurious sigs up to at least 100MHz. So you can tell if the signal is clean. It will do other stuff, like find the freq of an oscillator--and tell you whether it is working. It can sniff out signals. Connected to an antenna, the SA/SA will show you the active sigs, and you can SEE where the MUF (maximum useable frequency) is by seeing where the sigs tail off.

Spectrum Analyzers made by outfits like HP cost upwards of a thousand or several thou for current models. The difference, aside from the convenience

of having everything in a single box, is the calibration accuracy, and image rejection. You obviously want to see only real signals, not images created internally in the test device. But the SA/SA MK II has only one serious image (its own 89.3 MHz IF oscillator) and a minor one at the 10.7 IF freq. That is very good for such an inexpensive instrument.

Sadly, Steve only kitted about 25 or so of these neat instruments. His first run of MK I SA/SAs also ran about 25, I think. Some of them remain out there unbuilt. I know one guy (no, I won't tell) who has an unbuilt MK I and an unbuilt MK II. So, unless another group were to be organized (no, I am not volunteering--I have one already!) and unless Steve could be prevailed upon, there are no more SA/SA kits to be had. On the other hand, I don't need two. See my companion FS announcement.

Anyway, a big thank you to Steve, and to this group for making such things possible.

72,
Preston WJ2V

Date: Mon, 20 Apr 1998 11:54:58 EDT
From: PDouglas12 <PDouglas12@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [8633] FS: MK I Weber SA/SA
Message-ID: <2bfa18a8.353b6fd4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

I have a surplus MK I Weber SA/SA (Scope Adapter/Spectrum Analyzer) in the designed-for RS case, with built-in AC power supply. It has the crystal calibrator (eliminated in the MK II), and it is working very well. Its sensitivity is lower than the MK II, but it is a very useable test instrument. I almost didn't build the MK II because the MK I was more than adequate.

I did a front panel decal for this MK I which I scribbled all over as I calibrated it for my own use, but you my wish to calibrate it properly and add markings to its dials. To this end, I will include two copies of my computer-generated front panel for you to work with, if you wish. This instrument is not likely to appeal to a novice; it needs a home with an oscilloscope, sig generator, and someone with the technical knowhow to calibrate and finish the dials. Actually, though, the way I use the SA/SA is to set the span for the spectrum of interest by using the internal crystal markers and a sig

generator. That's why I never bothered to finish calibrating the front panel dials.

I will sell the MK I for \$100 (about my cost) and split overnight shipping with the buyer. Any takers?

72,

Preston WJ2V

Date: Mon, 20 Apr 1998 08:55:37 -0700
From: Bill Todd <bill@willapabay.org>
To: nwq-l@scn.org
Cc: qrp-l@Lehigh.EDU
Subject: [8634] FD 98' Survey - Status Report
Message-ID: <1.5.4.32.19980420155537.0070dc4c@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello QRPers -

So far, I have received information on the following QRP Clubs and QRP groups for inclusion in the June 98' Field Day Survey:

HI QRP Club
NJ QRP Club
Ski Country ARC
Guaano Reef Bashful Perverts
Minnesota QRP Club
UHam (U of Hawaii)
Two Old Farts* Group

I know it is still early, but there's a lot of empty space here. Please send me info on your QRP Clubs' plans when its available.

Thanks - Bill-N7MFB
Editor, "NWQ" Newsletter

*note: This group wins the "most appropriate name" contest...and happens to be my second choice to the NW QRP Club effort - hi hi

<http://www.willapabay.com/~bill>
ICQ me at #8926298

Date: Mon, 20 Apr 1998 17:19:46 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [8635] QTTF posting needed today
Message-ID: <199804201619.RAA21110@chuck.dallas.sgi.com>

Gang,

I got back late last Friday from two weeks in CA. Thanks to Eric and the gang for the pics on the NorCal web page to review the many calls and faces always at each meeting. Eric picked the wrong time to catch my ugly face. :-) I had no free time after Sunday, so we didn't do the pizza place meeting for the remainder of the time I was out there. Sometimes the job just takes a lot of work after hours for a new course with lots of details etc.....

I was scrambling this past Saturday trying to figure out the times for QTTF as I was worried that it was this past weekend. :-) So someone please post all the times and dates and rules today for the QTTF doings this upcoming weekend. Please.

One of the things that contests and events do need is more than one posting. My recommendation is a complete posting 30 days before the event for QRP related events, another 14 days before and another 48 hours before as gentle reminders that the work on antennas, charging batteries, testing keyers and keyer batteries, gathering of assorted cables, ropes, bug spray, must be done pretty quick. Also remember that every day new individuals are joining the list.

I am working overtime today in catching some stuff that I needed to do in CA but couldn't find an isolated printer for and then I need to work on the Hygain two element beam for Saturday. :-) Looks like 20 meters is going to be popular and maybe even 15 and 10, so I'm going to the TX/OK border in hopes of catching some of the multiple state boundaries just to say that we have "been there, done that". I'm figuring about 8 hours to refurb and refinish and test the beam out. Have to check LBs site to see if 30' is going to be better than just using a 132' long wire at 15'.

So those people in charge of things like events at HamCom, Dayton, Tuthill, and Pacificon should note that we need information. The groups are doing a good job, but remember if your responses seem

low then you need to do more.

So give me 24 hrs to get through 12,000 lines of stuff if you sent me something and if you don't hear from me late tomorrow, then ping me direct again and check to see if I'm still alive. :-) ;-)

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Mon, 20 Apr 1998 11:32:19 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [8636] posting
Message-ID: <199804201632.JAA11969@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Chuck is right. More postings of events and contests would help us old guys remember.
Larry ac5ez

Date: Mon, 20 Apr 1998 12:34:38 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [8637] Re: Antenna Restrictions
Message-ID: <45279.owen@piper.eeel.nist.gov>

In message Sun, 19 Apr 1998 21:30:35 -0800, Ward Hill <w_hill@ns.net> writes:

> Just invoke PRB-1 and put up what you want.
>

Or move to Virginia where as of July 1, towers under 200ft (75 ft in dense areas) can't be refused and there can be no limits on the number of antenna supports. 72 Jim K4CGY qrp-1 #72

Date: Mon, 20 Apr 1998 09:35:53 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [8638] Dayton NorCal Building Contest Entries
Message-ID: <01bd6c7a\$635b9c40\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, the annual NorCal Dayton Building Contest is coming up fast. Several have contacted me and asked if they had to be there to enter their entry. The answer is that no you don't have to be there, but your project does. Several have also contacted me and asked if I would carry their rig to Dayton. That is not possible, as I already have more than I can carry. But there is an easy solution. All that you have to do is mail your entry to the Day's Inn Dayton South, 3555 Miamisburg-Centerville Rd Dayton, OH 45449 in care of Doug Hendricks who will arrive on May 14th. Please include the stamps so that all that I will have to do is mail it back to you. I will have the sealing tape, and will mail your entry back in the box that it comes in. But you must include a mailing label with your name and address and the stamps for the return trip.

Remember there are 3 divisions this year:

K8FF Paddles
2N2222
K5FO Unlimited

There are 3 prizes for each division. ARCI has very graciously donated 3 outstanding prizes, one for each category. NorCal would like to thank ARCI for their help. See you in Dayton. 72, Doug, KI6DS

Date: Mon, 20 Apr 1998 09:43:26 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [8639] Running to the borders
Message-ID: <01bd6c7b\$70baa7e0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Friday afternoon I will drive to San Jose and leave on a jet plane for my annual QRP to the Field Expedition. I am really excited about this contest, and it should be a whole bunch of fun. Sounds like we will get all 50 states on, plus some DX even. One of my goals is to work Arnie Coro and other Cuban stations.

Don't forget to post your adventures to the list and send a copy to Jerry Parker so he can put it on the NorCal page. If you here KI6DS, please give me a call. I look forward to working as many of you as possible, and my goal is to work all 50 states.

It has become a tradition for me to travel and work from a portable location for QRP to the Field. I enjoy it very much. The first trip was to Riley, "Did I tell you about the wind?", a ghost town in the middle of New Mexico. Last year we did the "Area 51" trip, which was literally "out of this world". I can't wait for this weekend's trip. Hope to work you. 72, Doug, KI6DS

Date: Mon, 20 Apr 1998 18:11:51 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: qrp-1@Lehigh.EDU, gqrp-1@blacksheep.org
Subject: [8640] Wanted your help!
Message-ID: <E0yRK3E-0001LX-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I need details of your latest projects, especially pictures of the same for my web page. This would help beginners and experienced QRPers/constructors alike. So please help if you can.

--73--

Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: <http://homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Mon, 20 Apr 1998 10:14:45 -0700
From: Conrad <radman@best.com>

To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [8641] QRP Parts Storage for \$3.71
Message-ID: <01BD6C45.2642D7E0@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

For QRP component parts/storage:=20

The Plano Company, Plano, IL (tackle box people) make a rugged, =
clear-molded, stackable, hinged box - the Plano-3700 - overall =
dimensions: 9" x 14" x 2". It has 24 internal sub-compartments for =
electronic components and misc hardware items. The compartment sizes are =
varied by moving modular "seperators" between the compartments.=20

I've invested in 12 of these boxes to organize all of my kit/home-brew =
components. Just label the boxes and stack them on a shelf over your lab =
bench. They will stack a *lot* of components in a small space - very =
efficiently!=20

Were to buy: best price I've found is at my local "mom & pop" True-Value =
hardware store. Retail: \$4.95 ea. In quantity 5 or greater they'll =
discount 25% off on a "special order" =3D \$3.71ea. I've heard that Home =
Depot sells a competing product for a bit less money. (Sorry I don't =
know the number.)

Works very well for me! Standard disclaimers... happy organizing!

72 - Conrad - nn6cw

Date: Mon, 20 Apr 1998 17:20:12 +0000
From: Ed Loranger <we6w@qsl.net>
To: hohlfeld@hp-pha.pharma.uni-duesseldorf.de
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8642] Re: How to unsubscribe?
Message-ID: <353B83CC.7FDF@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thomas, I think it best to 'Suspend' your subscription. No need
to unsubscribe.

In my Netscape Address folder I keep the following information:

I have two addresses I use:

qrp-1@Lehigh.EDU And a description that this address is FOR POSTING.

Also notes where to manually review files:

QRP-L mass mailer

<http://www.lehigh.edu/lists/Archives/qrp-1/>

<ftp://ftp.lehigh.edu/pub/listserv/qrp-1>

For sending COMMANDS, a different email address is in my addressbook:

listserv@Lehigh.EDU and a brief description of most used commands:

SET QRP-L MAIL POSTPONE

SET QRP-L MAIL DIGEST

SET QRP-L MAIL ACK

cmd summary:QRP_Mailers folder. <=== A note to myself as to WHERE
the ORIGINAL command list exists when I signe up for QRP-1.

To specifically answer your question:

Sent email to: listserv@Lehigh.EDU

NO SUBJECT (Leave subject blank)

In BODY of message enter your command:SET QRP-L MAIL POSTPONE

You are done. Then to receive mail again,

just send the command:SET QRP-L MAIL ACK

and you'll receive mail again.

Easy.

P.S. Be sure to backup your BOOKMARKS and ADDRESSBOOK once in a while.

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 20 Apr 1998 10:22:53 -0700 (MST)

From: Joe Gervais <vole@primenet.com>

To: adams@chuck.dallas.sgi.com

Cc: qrp-1@Lehigh.EDU

Subject: [8643] Re: QTTF posting needed today

Message-ID: <199804201722.KAA19191@usr06.primenet.com>

Howdy Chuck and Folks,

Chuck (K5FO) wrote:

> I was scrambling this past Saturday trying to figure out the times
> for QTTF as I was worried that it was this past weekend. :-) So
> someone please post all the times and dates and rules today for
> the QTTF doings this upcoming weekend. Please.

Welcome back Chuck! The full announcement for QRPTTF
is on the NorCal webpage <<http://www.fix.net/norcal.html>>
but the date is this Saturday, April 25th, 1600Z to 2400Z.
I'll append the full rules at the end here, for those
who still need it.

Larry (AC5EZ) wrote:

> Chuck is right. More postings of events and contests would help us
> old guys remember.

Please bear in mind that we "promoters" get it from
both ends - if we post alot of event messages, we get
flamed by those complaining they've seen enough. If
we post too little, other folks say they haven't seen
enough.

It's a fun line to try and walk, I assure you. :-)

I've tried to stick to the QRPTTF Border Op Hit List
updates as a way of reminding folks without sounding
like a broken record. Hopefully it's been a good
compromise.

Anyway, thanks for your support! Just a few days left
before what may be the largest QRP swarm to hit HF
since the invention of the HW series! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, NorCal Contest Manager,
NorCal QRP, AZ ScQRPions, and many other fine,
furry groups....

"It's hard to be unhappy when you have warm feet."
- Dave Rose, Fellow Snow Camper

1998 QRP to the Field
Sponsored by the NorCal QRP Club

Theme: "Run to the Borders"

Contest Period: April 25th, 1600Z to 2400Z.

CW HF QRP Only (5W max), no WARC bands, standard QRP calling freqs.

Stations operating from a state/province/country border get an extra multiplier for each SPC intersecting at their exact location. Example: KI6DS operates from the CA-AZ border, getting x2 Border Operator multi, and must give a signal report from each state (Example: "579 CA, 579 AZ"). Stations working KI6DS would get SPC credit for each state, as well as QSO pts for each separate signal report received.

Exchange: RST and SPC (Stations operating on a state/DX border must give a separate RST for each state, province or country.)

Example: "559 CA, 559 AZ"

Points: 5 pts per QSO. Stations working Border Operators score 5 pts per report received, and should log each state/report separately.

Multipliers:

SPC Total (each counts once per band).

Border Operator - Number of SPCs intersecting at your position.

Location - Home = x2, Field = x4 (Field = battery power and temporary antennas).

Final Score: QSO points x SPCs x Location X Border Operator Multi.

Awards: Top Ten Scores Certificates

Send logs by 6/1/98 to: Joe Gervais AB7TT, NorCal Contest Manager,
PO Box 1822, Goodyear, AZ, 85338, or via email to: vole@primenet.com.
Include station and location descriptions.

For more info, email vole@primenet.com or visit the NorCal QRP
Club webpage at <<http://www.fix.net/~jparker/norcal.html>>.

Date: Mon, 20 Apr 98 07:25:09 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [8644] QRPTTF over the rainbow
Message-ID: <9804201725.AA05627@krypton.nmr.Hawaii.Edu>

Plans are still on track for a camping trip to the botanical park on the north side of Oahu for QRPTTF. I am desparately short of "borders"! so this will just be a very much in the middle of lots of borders, no corners, operation. Just Hawaii, grid BL11.

I will be taking the Alinco DX70t set up for five watts. I plan on testing an idea with an SLV pole. I have one that has an extra section made of PVC pipe so it is 25 feet tall. I am just going to put up a heavy, tapering wire to the top of it and use the smallest MFJ, no meter, Versa Tuner at the base. It should be close to a 5/8 wave vertical on 15 meters which is the main band I am hoping will work for me. It has 24 radials on it. It should also tune 40 and 20 as well.

I took the MFJ apart (they are kits aren't they??) and fixed the unsoldered connections and cleaned it up a bit. It has a nice air core inductor and I fixed all the shorts in the capacitors (where do they get those things?). So it should work well, in theory.

A friend, AH6OZ (how's that for a call from over the rainbow?) will be along and I am hoping he will activate another band from the same site so we can have two stations going at once on 40 and 20 or 20 and 15 meters, etc. We are going out Friday night so we can be ready when the contest starts in the predawn hours. If you work OZ be sure to say "Hi Walt".

Look for us around 7.040, 14.060, and 21.060. I plan on spending most of the time on 21.060 if things work out well with the antenna system. I am a couple of skips from just about everywhere. I am also going to be putting up a 10 meter antenna that can double on 15 meters as well. I will try to be on 28.060 at the top of each hour, starting four hours into the contest, just in case anyone can bandswitch that high.

I seem to have terrible luck with 20 meters, some personal jinx, so I am hoping OZ can work on that band a lot. I am looking forward to the camping. This should be fun since it will not be a weekend-long grind like Field Day, and offer plenty of time Friday and Friday night to get things tweeked up. Even time for sleep (I must remember to pack that new portable alarm clock I bought, and the strong coffee!)

The station will be inside the small two man tent again. We can expect sudden rain mixed with mosquito attacks, and fairly heavy winds driving horizontal rain at intervals, mixed with intense tropical sun and steaming grass, with some beautiful National Geographic picture periods. So it helps to have the station be "all weather", even for an eight-hour contest.

Everyone remember to strap on your Leatherman tool or equivalent. Don't leave home without it. Mine saves the day, one way or another, on every trip.

Hope to see at least a few of you at 6 a.m. Saturday.

www.chem.hawaii.edu/uham

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Mon, 20 Apr 1998 11:02:34 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [8645] NorCal's '98 QRPTTF RULES
Message-ID: <2.2.32.19980420180234.00d22900@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NORCAL'S QRPTTF '98 RULES

Theme: "Run to the Borders"

Contest Period: April 25th, 1600Z to 2400Z.

CW HF QRP Only (5W max), no WARC bands, standard QRP calling freqs.

Stations operating from a state/province/country border get an extra multiplier for each SPC intersecting at their exact location. Example: KI6DS operates from the CA-AZ border, getting x2 Border Operator multi, and must give a signal report from each state (Example: "579 CA, 579 AZ"). Stations working KI6DS would get SPC credit for each state, as well as QSO pts for each separate signal report received.

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Location - Home = x2, Field = x4 (Field = battery power and temporary antennas).

Final Score:

QSO points x SPCs x Location X Border Operator Multi.

Awards:

Top Ten Scores Certificates

Send logs by 6/1/98 to:

Joe Gervais AB7TT

NorCal Contest Manager

PO Box 1822

Goodyear, AZ, 85338

You may email them to Joe at: vole@primenet.com.

Include station and location descriptions.

72,,,ENJOY,,,Jerry...WA6OWR...K

Date: Mon, 20 Apr 1998 13:55:31 -0700

From: Randy Hargenrader <randyh@harksystems.com>
To: klqrp@waterw.com, qrp-l@Lehigh.EDU
Subject: [8646] Re: Triple Conversion Explained
Message-ID: <353BB643.D7317348@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You know, what the Rad Shack guy said, was a very good response to a highly technical question for a non-technical "public".
I liked the answer. It was accurate from a practical sense.

--

73, Randy WJ4P
Knightlites QRP-L #296

Date: Mon, 20 Apr 1998 14:28:59 -0400
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [8647] TR LOG.CFG for QRPTTF?
Message-ID: <353B93EB.2B00AA90@acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----103A2896C78C6DDB2B51725B"

This is a multi-part message in MIME format.

-----103A2896C78C6DDB2B51725B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

The plans are progressing for the /P operation of NQ2RP for this great event. Only one real question remains. Has anyone configured TRLog to handle the possible dupes/extra reports from the border guys? I have not invested any time into this situation myself but will if I do not get any emails back soon :-)

Maybe LogEQF and an outboard keyer will do a better job on this test.

72,
Mark N2VPK
Soon to be operating NQ2RP with Kieth, WB2VUO from south central Genesee Co., NY.

-----103A2896C78C6DDB2B51725B
Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit

Content-Description: Card for Mark Adams
Content-Disposition: attachment; filename="vcard.vcf"

```
begin:          vcard
fn:             Mark Adams
n:              Adams;Mark
org:            SUNY at Buffalo
email;internet: msadams@acsu.buffalo.edu
title:          Facilities Engineer/Mechanical
x-mozilla-cpt:  ;0
x-mozilla-html: TRUE
version:        2.1
end:            vcard
```

-----103A2896C78C6DDB2B51725B--

Date: Mon, 20 Apr 1998 19:36:11 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [8648] Be Careful for What You Ask
Message-ID: <199804201836.TAA21540@chuck.dallas.sgi.com>

Gang,

: -)

Well, I asked for it and I got it. :-) So much email and
so little time.....

Thanks for the information gang. One of the things that people
have got to remember. There are times when some of us can not surf,
so even if information exists on a web page somewhere it still doesn't
hurt to post it anyway. It is much easier for most of us to look
things up in the archives than for a lot of us to surf from the house.
An I was looking for TTF and QTTF, so if some were using QRPTTF I
would have thought that I would have found it previously in the
archives for March and April and I did not other than passing
references.

Yes, we all have the same problem with just how much and how often to
post things. I probably stray on the too much side myself. So let

everyone chill and Jim E. and I will coach those that stray from what one would consider reasonable number of postings for commercial and other items, QRP and non-QRP related. Use the delete key frequently.

I know that I see a lot of posts about spell checkers sending email to a lot of people. Such activity must stop, i.e. spell checkers are not needed for this list. My philosophy here is that most postings to the group are pretty much error free or contain only minor flaws in spelling and grammar. And we are all human beings with some marginal individuals that we all know about. :-) ;-) So errors are to be expected. Relax, enjoy the ride. Those that get email about spelling from individuals that have too much time, just let me know. It won't happen again from that individual. :-)

FYI es again thanks,

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Mon, 20 Apr 1998 13:25:16 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8649] Radio Shack antenna
Message-ID: <353BA11C.757A@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I was a little board this am so I decided to play with the R.S. shortwave antenna that I picked up for 3.97 yesterday. Put it up as is just to see what it looked like and it did resonate in the 40 meter band. Next, I took it down and trimmed the 5 wire cable to the table length of 234/f for the 40,30,20,15,10 meter bands. The 40,15, and 10 meter bands looked pretty good with 20 and 30 way off. Not happy with this, I pulled the wires apart from each other, and then tied them off in different directions, trying to get a little separation between the elements. Now, it still looked good on 40,15 and 10 as before. I need to work on 30 m and 20 m, but tomorrow is another day. Im confident I can get this to work on these 5 bands with an swr of at least 2:1.

Will keep everyone posted as to my results. Bought two of these antennas

and may want to get rid of one.

Also, bought the R.S. watt/swr meter that was for 29.97 and my first impressions are thumbs up!!

My .02 worth! 72, Tom WB5QYT " Have spud will travel!"

Date: Sat, 18 Apr 1998 02:49:57 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [8650] More NA5N Sun Stuff
Message-ID: <3.0.16.19980418024952.08d75446@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Kudos again to Paul on pt. 2 of his excellent Solar article in QRP 1/4ly. Nice graphics... a wealth of info there. Kinda Makes bad propagation a little enjoyable, actually.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Mon, 20 Apr 1998 21:05:12 +0100
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
To: qrp-l@Lehigh.EDU, gqrp-l@blacksheep.org
Subject: [8651] The Suburban Multibander by W6JJZ - Balun details needed
Message-ID: <6gJ9EBA4p601EwZ0@stevef.demon.co.uk>
MIME-Version: 1.0

Hi,

On the advice of G0TOE I am going to put up this aerial which he reckons is FB. It is a doublet - length of the horizontal is 630/F feet and the feeder is $(328 \times \text{Velocity factor})/f$ feet of 450 ohm twin feeder. The feeder is terminated into a choke balun - 14 turns of 50 ohm RG58 wrapped around an AMIDON FT240/43 core. I'll put it on 7030 Mhz. According to the info it does not need an ATU on 20/40 meters and will work on all other bands other than 160 with an ATU.

Problem :- the 240/43 is unobtainable over here(unless you know different). TOE uses a RADIOWORKS B14K (a B12K will do) but I cannot source either. If I can make one I would rather not buy one.

If my grasp of theory is correct the only purpose of the balun is to match the impedance of 50 ohms to 450 ohms so that maximum current goes up the co-ax inner and none goes up the outer. The way to do this is to make a 9 to 1 balun. There are a number of options :-

- a) Use the 2040/4 core as above,
- b) Use the Radioworks balun (is this 9:1?)
- c) Loop the co-ax a number of times
- d) feed the co-ax through lots of ferrite rings
- e) Make a matching transformer with a ferrite rod for a core.

Given that impedance will change with frequency is the 9:1 ratio an approximation? if so am I correct in assuming that the best way to approach the problem is by trial and error i.e. do whatever is needed to maximise the current going up the inner. Do I have to try this for all frequencies?. Is there a scientific solution?

Thanks in advance.

PS If Charles A Lofgren - W6JJZ is on the net it would be nice to hear his views

PPS approximate lengths are, for 7.1 MHz, 88.8 feet for the flat top, and $46.2 * VF$ feet for the feeder.

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Mon, 20 Apr 98 10:32:18 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [8652] RS butane soldering iron
Message-ID: <9804202032.AA06035@krypton.nmr.Hawaii.Edu>

While everyone is having so much fun with Radio Shack:

OZ came up with something remarkable. It is an RS butane soldering iron. Not the junk miniature torch that has a tip adaptor that shoots

flames out laterally to set fire to everything.

This one has a catalytic area built into the tip. The butane burns inside on this area. It is like a soldering pencil with no cord. It refills from standard butane containers like used for fancy cigarette lighters.

Boy does it work! I have done lots of soldering in the field and this is really slick. It is easy to light, turns down to standby when not in use, handles rather large wire outdoors. It is probably a "Must Have" for that portable operations field kit.

Also it is very low power, not being interested in batteries at all.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Mon, 20 Apr 1998 15:37:22 -0500
From: Richard C Berrill Jr <rjrberri@xnet.com>
To: Qrp Mailing List <QRP-L@Lehigh.EDU>
Subject: [8653] Norcal 40a Audio
Message-ID: <353BB201.145D0CBC@xnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wanted to send a thanks to all who responded and especially Bob from wilderness radio for all the responses and help they gave. As most of you suggested the problem was actually my headphones. It wasn't that they were cheap walkman types but that they had gone bad somehow and read nearly a dead short across one of the headphones when a ohm meter was applied to them.

Again thanks for the help
72/73 Rich KB90NM

Date: Mon, 20 Apr 1998 16:39:20 EDT
From: FrConrad <FrConrad@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [8654] The Peace that passes all understanding
Message-ID: <6fe54aaf.353bb279@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Dear QRPeople,

Oh how I know that "religion" is always an itchy spot on e-mail lists...

However...

As the self-appointed pastoral counselor du jour to the group, I feel obliged to observe that tensions seem to be rising as we approach QRPTTF.

Perhaps it would be a good idea if we allowed others to buy the sort of antennas they would like...just a suggestion now.

And as one of the newest askers of dumb questions on the list, I appreciate the grace with which others have answered my dumb questions and then reached out to me and subtly pointed out that the "difficult" answer I sought was only two mouse clicks away.

Go ahead if you must...light my incense.

"Father" John
WB6MFS

Date: Mon, 20 Apr 1998 13:46:45 -0700
From: "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Cc: "Gerald Mike Claussen (gmc)" <gmc@sequent.com>
Subject: [8655] Buried coax and radials...
Message-ID: <1DDAE93A2402D11188BD0000C02213F5048E0D16@gobo.sequent.com>

Gang,

Just put up a vertical in the backyard, and need to bury the coax and radials... Children, ya know...
Is it to my advantage to use pvc tubing to protect the coax? And, the radials are bare wire. Should I use insulated wire instead?

Thanks for the bandwidth.

72,
Mike KK7GG

Date: Mon, 20 Apr 1998 20:59:50 +0100
From: "Kim Andersen" <ox3fv@greenet.gl>
To: "=?ISO-8859-1?Q?QRP-L_=28INDL=C6G=29?=" <qrp-l@Lehigh.EDU>
Subject: [8656] HP 200LX needed!!
Message-ID: <7717B3A533.AAA158D@mail.greenet.gl>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi

Can anyone help me with website or phone no. to a store where I can buy a HP 200 LX palmtop pc. I need it when going portable.

I have been on many websites, but can not find it anywhere. Maybe it on its way out of the market??.

This is a very fine littel computer wich can run DOS software, and do it for abt 40 hours on 2 AA batteries. Great thing for logging when portable.

72 from sunny south Greenland de Kim/OX3FV

Date: Mon, 20 Apr 1998 20:57:00 +0100
From: Rich <g4pce@richanny.demon.co.uk>
To: jseibert@hermes.desy.de
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8657] Re: Replacing tubes w semiconductors
Message-ID: <q3NBVBAMi601UwaN@richanny.demon.co.uk>
MIME-Version: 1.0

In message <Pine.SGI.3.95.980414111513.11008C-100000@hermes.desy.de>,
Joachim Seibert <jseibert@hermes.desy.de> writes
>Hello everybody!

>
>Does anyone have experience in replacing glow bugs with 'cold'
>electronics? I am planing to convert an old RX (consuming 300W) to a qrp
>compliant (12V, 12W max) moderniced one.
>
>Any suggestions? One of my ideas was: one triode to one FET and one
>bipolar transistor (to match the impedances).
>
>Best 72s and 73s, Joachim DL1GSJ
>
>

Jochim, It can be done and back in 1985 or so when I bought my Collins
75S3B it came with a complete set of Tubesters or Fetrons replacing the
tubes/valves. These were commercial devices with tube bases as direct
replacements and probably VERY expensive.

But after listening to this rx for a few weeks I thought its performance
hardly matched what I had thought. I pulled out all the Solid State
tubes and put the original glass glowing ones back in (they had been
stored in a box). After realigning the if stages etc as per the manual,
the rx was restored to its design performance! And used for 9 years or
so until replaced with the current TenTec Delta 580. The Fetrons have
never been reused.

I guess tubes (valves) can be substituted by solid state but don't
necessarily expect any improvement.

Vl Grusse aus England

--

Rich G4PCE

G QRP 2617

Date: Mon, 20 Apr 1998 14:13:50 -0700 (pdt)
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
To: Stephen John Farthing <stephen@stevef.demon.co.uk>
Cc: CLOFGREN@BENSON.MCKENNA.EDU, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [8658] Re: The Suburban Multibander by W6JJZ - Balun details needed
Message-ID: <Pine.PMDF.3.95.980420133955.58964B-100000@BENSON.MCKENNA.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

G0XAR de W6JJZ--

I'll try to answer your questions about the antenna--

On Mon, 20 Apr 1998, Stephen John Farthing wrote:

> If my grasp of theory is correct the only purpose of the balun is to
> match the impedance of 50 ohms to 450 ohms so that maximum current goes
> up the co-ax inner and none goes up the outer.

No. Looking into the 450 ohm line at this point (that is, toward the load or antenna), you see approximately $50 + j0$ ohms on 40 and 20 meters, with the dimensions you're using. The balun should be a 1:1 balun. It helps keep current off the *outside* of shield of the coax.

> The way to do this is to
> make a 9 to 1 balun. There are a number of options :-
>
> a) Use the 2040/4 core as above,
> b) Use the Radioworks balun (is this 9:1?)
> c) Loop the co-ax a number of times
> d) feed the co-ax through lots of ferrite rings
> e) Make a matching transformer with a ferrite rod for a core.
>
>
> Given that impedance will change with frequency is the 9:1 ratio an
> approximation? if so am I correct in assuming that the best way to
> approach the problem is by trial and error i.e. do whatever is needed to
> maximise the current going up the inner. Do I have to try this for all
> frequencies?. Is there a scientific solution?
>

Ideally, you want a 1:1 balun with a high winding impedance. The RG-58 wound on the FT-240-43 core provides this. (As the term is used now, this gives you a "current" balun.) If you don't have an FT-240-43 core (or perhaps an FT-240-61), I'd advise a comparable 1:1 "current" balun arrangement. Looping the coax, using the ferrite rings, or coax wound around a ferrite rod are possibilities, but the winding impedance may not be as high.

I hope this helps.

72,

Charlie, w6jjz
clofgren@benson.mckenna.edu

P.S. In my original "Suburban Multibander" article in vol. II of the ARRL Antenna Compendium, there's a mistake in footnote 5 (pp. 104-05), but it involves a "side issue" and doesn't affect the rest of the presentation.

Date: Mon, 20 Apr 1998 14:17:19 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Kim Andersen <ox3fv@greenet.gl>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8659] Re: HP 200LX needed!!
Message-ID: <Pine.SOL.3.96.980420141629.28245A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Kim,

Check <http://www.mplanet.com>

or 1-800-675-2638

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 20 Apr 1998 15:40:43 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [8660] Re: HP 200LX needed!!
Message-ID: <353BC0DB.CA07D7E7@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

>
> Hi Kim,
>
> Check <http://www.mplanet.com>

the
side of the house. QRP/QRP contacts are easy at 8 feet and I'm leaving
the
loop there. Decent Nulls broadside at low azimuth. Sky wave signals
above
60 Degrees are not nulled deeply and this conforms to published
elevation
data from Chapter 5, 1988 ARRL Antenna Book.

The antenna tunes from 13.95 MHz to about 30 MHz with 1.7:1 SWR worst
case. I did
get 1.5:1 swr when the loop was up 18 feet though.

Propagation on 20 meters was weird on Sunday as I tried to work
cross-band from
14060 to 7040 Khz. I used my gen. Coverage rcvr with its telescoping
antenna loosely
coupled to the 40 meter antenna's 300 Ohm feedline. Good RX. No
takers, however.

Let me just say, if you can't get a sizeable antenna up due to
restrictions at
your QTH, give one of these Short Transmitting loops, made with 3/4 inch
or larger
copper pipe a try. A small tuning motor and trombone tuner keep it
affordable
and low-loss. When I find that 1994 QST article I'll be reading it over
and over!

One excellent transmitting loop webpage is:

http://gallery.uunet.be/ON4CEQ/ant_en.htm

AND ALSO:

<http://ourworld.compuserve.com/homepages/csl/magloop.htm>

For those QRP-1 members who can browse the internet. Great Stuff.

With its 180 Degreee elevation coverage, and careful construction, the
<=1/4 wl to >=1/8 wavelength transmitting loop has really caught my
attention.

Did I mention the excellent sig reports with 5 watts and the antenna
only

3 feet above the cement floor in my enclosed garage?!!! Not portable,
however.

3.3 Feet in Diameter. 10 Feet in circumference. 5 to 50 pF tuning
capacitor (Trombone).

USE NO TUNER.

Other developments: Another fine member on the list is sending me parts to build my own computer. So it looks like I'll soon be QRV with cpu! I got a broken monitor this weekend and it looks repairable, I think.

So many projects, so little sleep. And if my son gets me a fishing license, I'll be on my pneumatic boat too... Hi!

This is great fun, folks.

Best!

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

End of QRP-L Digest 1066

